

19980709.ba v02_n119.bam.980709 v02_n120.bam.980709

>From ???@??? Fri Jul 10 04:51:59 1998
Message-Id: <199807091149.GAA10001@sco.theporch.com>
Date: Thu, 9 Jul 1998 06:49:31 CDT
Subject: BOATANCHORS digest 2119

BOATANCHORS Digest 2119

Topics covered in this issue include:

- 1) Re: WTB: R-1051 Power and Mike Connectors
by Dave Metz <metzd@milo.cfw.com>
- 2) micarta --> knife handle material
by Pete McCollum 08-Jul-1998 1002 -0600 <mccollum@ssdevo.UNET.dec.com>
- 3) Speaker disassembly
by James.Reid@merisel.com
- 4) RE: Bell and Howell / Heathkit Oscilloscope info request
by "Roy S. Morgan" <roy.morgan@nist.gov>
- 5) RE: Viking Valiant Osc. problem.
by "Roy S. Morgan" <roy.morgan@nist.gov>
- 6) Re: Tek 545
by Jderm740@aol.com
- 7) Re: Speaker disassembly
by Bob Roehrig <broehrig@admin.aurora.edu>
- 8) Hickok 600A DATA
by w4bld@juno.com (Robert B. Kerby)
- 9) RE: Viking Valiant Osc. problem.
by Rodger Singley <rbsingl@rs6000.cmp.ilstu.edu>
- 10) Docs needed-panadapter PCA-2T-200/SSB model A slicer--Tnx
by Bob Login <jlogin@gville.mindspring.com>
- 11) Spy Radio Needs Identification
by Paul Bernhardt <bern@ppdu.nrl.navy.mil>
- 12) Re: Micarta Question...
by "Robert Nickels" <ranickel@mwci.net>
- 13) Eldico and Elenco
by thompson@mindspring.com
- 14) BC-779 (SP-200) Knobs
by avidov@juno.com (Avi Aben)
- 15) Re: Tek 545
by Henry van Cleef <vancleef@netcom.com>
- 16) More 547 stuff
by Bill Hawkins <bill@iaxs.net>
- 17) FW: Boatanchors
by Jim Evans <n1hts@ma.ultranet.com>
- 18) Re: Spy Radio Needs Identification
by Al Klase <skywaves@bw.webex.net>
- 19) Need help, BC-610 and BC-614

by Phil Mills <pmills@a.crl.com>

Message-Id: <2.2.32.19980708160249.006d28bc@milo.cfw.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Date: Wed, 08 Jul 1998 12:02:49 -0400

To: Old Tube Radios <boatanchors@theporch.com>

From: Dave Metz <metzd@milo.cfw.com>

Subject: Re: WTB: R-1051 Power and Mike Connectors

At 11:49 PM 7/7/98 -0500, deanbers@ix.netcom.com wrote:

>Hello Anchor Clankers;

>

>I am in need of the power connector, (3 pin female) and two

>audio output connectors (2 pin female) for the R-1051 receiver.

Dean and the gang,

I purchased these connectors from Bill @ William Perry CO in Louisville Ky Phone 502 893 8724 fax 502 893 9220. Very Reasonable. He must have an incredible inventory down there.

73's

dave

Message-Id: <9807081604.AA10768@us3rmc.cxo.dec.com>

Date: Wed, 8 Jul 98 10:04:00 MDT

From: Pete McCollum 08-Jul-1998 1002 -0600 <mccollum@ssdevo.ENABLE.dec.com>

To: Old Tube Radios <boatanchors@theporch.com>

Subject: micarta --> knife handle material

Micarta is used on a lot of knife handles (mostly on higher-end brands).

A supplier for custom knife-makers would certainly carry it, probably in a variety of colors.

And you can get it in decent-sized chunks I think (not just sheets).

Pete

From: James.Reid@merisel.com

Mime-Version: 1.0

Date: Wed, 8 Jul 1998 09:25:34 -0700

Message-ID: <0028A747.1413@merisel.com>

Subject: Speaker disassembly

To: Old Tube Radios <boatanchors@theporch.com>
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Description: cc:Mail note part

Greetings all,

I was working on an AA5 recently and after recapping and realigning, everything seemed ok with all the umbilical test leads hooked up. Upon putting everything back in the case, no audio. It turns out my test speaker works great, but not the one inside the radio's cabinet. The ohmmeter confirmed the problem: open voice coil. Pushing on the cone did get some blips on the meter so obviously there's a broken wire. Several questions come to mind. How do you disassemble one of these to repair it? Can it be taken apart without damaging the cone, spider, etc.? And if so, what do you use to dissolve the adhesives? I realize this is a probably a pain for a cheesy 4" speaker, but certainly there must be a way to do it. I'm sure professional rebuilders don't rip the cone apart on a 15" musical instrument speaker. Anyone have any clues how it's done? Thanks a bunch.

-Jim N6SVS
James.Reid@merisel.com

Message-Id: <01BDAA76.999BF680.roy.morgan@nist.gov>
From: "Roy S. Morgan" <roy.morgan@nist.gov>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: Bell and Howell / Heathkit Oscilloscope info request
Date: Wed, 8 Jul 1998 13:44:57 -0400

Heathkit Educational Systems will supply manuals for most Heath instrument.

The price is high. Send an e-mail via the URL below to the technical support group.

<http://www.heathkit.com/>

or: (from their page):

Manuals are available for many of our old Heathkit products for a nominal fee. To inquire, please have the exact model number ready and call 616-925-5899.

----Roy Morgan
Hydrodynamics/Hydroacoustics Technology Center
Naval Surface Warfare Center, Carderock Division
9500 MacArthur Boulevard
West Bethesda, MD 20817-5700

301-227-3827 FAX: 301-227-3884----

-----Original Message-----

From: Roecker, Greg [SMTP:greg.roecker@lmco.com]
Sent: Wednesday, July 08, 1998 8:55 AM
To: Old Tube Radios
Subject: Bell and Howell / Heathkit Oscilloscope info request

I am writing to request a source for technical data on a Bell and Howell Oscilloscope ... the chassis is the familiar blue Heathkit sticker marked model 10D-4540.

I need a copy of the manual and schematic.

Message-Id: <01BDAA76.C3A33D80.roy.morgan@nist.gov>

From: "Roy S. Morgan" <roy.morgan@nist.gov>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: Viking Valiant Osc. problem.
Date: Wed, 8 Jul 1998 13:46:08 -0400

This is a common problem.

I don't know the cure, but wait eagerly for any advice and lore readers may suggest.

-----Original Message-----

From: W4UOC@aol.com [SMTP:W4UOC@aol.com]
Sent: Wednesday, July 08, 1998 10:14 AM
To: Old Tube Radios
Subject: Viking Valiant Osc. problem.

Any suggestions on this one...

I have a Viking Valiant transmitter that works fine except for one small problem.

When I use the xtal and key the transmitter the xtal osc. does not shut off!

I can hear it in the receiver and the the meter in the osc. position shows it

is running. It keeps running until I switch the xtal switch to the empty xtal

position. However, it only shows grid drive when the key is

closed. Is this
normal.... I doubt it....!!!!

I do not have this problem when using the vfo position. It is
not the keyer
adjustment (R39).

All voltages and resistance measurements look normal on the osc
and keyer
sockets.

I suspect that the -6 vdc at pin 1 (control grid) of the osc.
may be changing
values and causing the problem.

From: Jderm740@aol.com
Message-ID: <3b844dfa.35a3b207@aol.com>
Date: Wed, 8 Jul 1998 13:53:10 EDT
To: Old Tube Radios <boatanchors@theporch.com>
Mime-Version: 1.0
Subject: Re: Tek 545
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Okay folks,

I went back to the offsite storage area and secured the information everyone
said I overlooked. (Waad,I,know I never had a thing like this before)
So, here we go: Tek 545 Ser# 1684

Plug-in 53D/54D SN # 944
Plug-in CA S/N # 053536
Plug-in L S/N # 00578

These are what I need manuals to service. Help will be appreciated. Just let
me know how much so I can pay you if you can supply any.

Thanks again

Jack Jderm740@aol.com

Date: Wed, 8 Jul 1998 12:51:02 -0500 (CDT)
From: Bob Roehrig <broehrig@admin.aurora.edu>
To: Old Tube Radios <boatanchors@theporch.com>
cc: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Speaker disassembly
Message-ID: <Pine.ULT.3.96.980708124049.28582C-1000000@admin.aurora.edu>

MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 8 Jul 1998 James.Reid@merisel.com wrote:
regarding a speaker:

> How do you disassemble one of these to repair it?

You don't

> Can it be taken apart without damaging the cone, spider, etc.?

Nope

> I'm sure professional rebuilders don't rip the cone apart on a 15"
> musical instrument speaker.

Yes we do. When I worked in a speaker repair shop, the first thing we did was take various tools (razor blades, chisels, knives, whatever) and clean everything out of the metal basket (frame). We would initially set the speaker face down in warm water (about 1/2" deep) overnight to make it easier to remove the cardboard ring. After the metal was cleaned up, all parts were replaced. The voice coil is, of course, the touchiest part to replace. Various thicknesses of film shim stock were used to hold the coil in place around the pole piece.

Generally, even back in the 50's, it was not worth reconing a small speaker unless it had the output transformer mounted on it..

The big shops even had equipment to demagnetize, then clean out around the pole piece, then remagnetize the unit. We just used double sided masking tape and/or compressed air to clean the gap.

"Nostalgia is a thing of the past"
E-mail broehrig@admin.aurora.edu 73 de Bob, K9EUI
CIS: Data / Telecom Aurora University, Aurora, IL
630-844-4898 Fax 630-844-5530

To: Old Tube Radios <boatanchors@theporch.com>
Subject: Hickok 600A DATA
Message-ID: <19980708.141230.5023.2.W4BLD@juno.com>
From: w4bld@juno.com (Robert B. Kerby)
Date: Wed, 08 Jul 1998 14:33:30 EDT

Hi - Anybody got a chart for a 600A later than 1953? I will be glad to pay copy and shipping costs. Many Thanks, Bob

- - - - -

Robert B. Kerby - w4bld@juno.com
PO Box 991 (231 Rosser Avenue)
Waynesboro, VA 22980 (540) 942-4356
Collect: Morrow, Gonset, Elmac

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Date: Wed, 8 Jul 1998 15:26:59 -0500
Message-Id: <199807082026.PAA30814@rs6000.cmp.ilstu.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: Old Tube Radios <boatanchors@theporch.com>
From: Rodger Singley <rbsingl@rs6000.cmp.ilstu.edu>
Subject: RE: Viking Valiant Osc. problem.

In my case, replacing the keyer tube took care of that particular problem. This doesn't necessarily mean the keyer tube was bad but replacing it with another with slightly different characteristics took care of the problem. My Valiant had the additional annoying habit of producing a roughly 250 khz. (NOT Mc.) oscillation in the final, produced about 3 watts out according to the scope/dummy load measure. Made it really difficult to use an antenna tuner/swr meter at low power settings (and it of course did not show up on the spectrum analyzer since it was well below the fundamental and the lower frequency display of my analyzer unit but was clearly identifiable on a receiver which tuned this range). Now if someone could get rid of the last of the chirp on 40 meters (due to fundamental getting into the VF0) I would really be happy. Mine is much better with additional shielding but does not sound nearly as nice as my Viking 1 or 2 units.

Rodger WQ9E

Message-Id: <199807082305.TAA06919@camel8.mindspring.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Wed, 08 Jul 1998 19:00:06 -0400
To: Old Tube Radios <boatanchors@theporch.com>
From: Bob Login <jlogin@gville.mindspring.com>
Subject: Docs needed-panadapter PCA-2T-200/SSB model A slicer--Tnx

Sorry--Correction of model #

Hello fellow BAers-- I hve a Panoramic Radio Corp panadapter Model PCA-2T-200 and a CE SSB slicer model A without any documentation. Would one of u

help me out? Pay for ur trouble or trade for one of my collection of manuals(copy)
or whatever. appreciate ur help in putting me bk to wk on a new project!

Date: Wed, 8 Jul 1998 21:19:53 -0400 (EDT)
From: Paul Bernhardt <bern@ppdu.nrl.navy.mil>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Spy Radio Needs Identification
Message-Id: <Pine.A32.3.91.980708211416.21410B-100000@ppdu.nrl.navy.mil>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

A friend needs help identifying a WWII radio set used for spying. The complete set comes in a large case that measures about 30 x 30 x 24 inches. This case is labeled CY-113/U and has 6 compartments. In one compartment is a suitcase the measures 13x18x8 inches. Inside the suitcase is a power supply, headphones, Morse key, and receiver/transmitter. The schematic for the RADIO SET is glued to the top cover of the suitcase. The transmitter uses a 6V6 to drive an 807 tube. The receiver uses 6SG&, 6SA7, 6SK7, 6SL7, and 6J5. The power supply is adaptable to a wide variety of AC voltages. The other compartments house a two complete sets of spare vacuum tubes, spare knobs, connectors, etc.

Thanks for the help, Paul Bernhardt

Work:P.A. Bernhardt	Home: Paul Bernhardt, KF4FOR
Code 6794	5704 Ridge View Dr.
Naval Research Laboratory	Alexandria, VA 22310
Washington, DC 20375	
Tel: 202-767-0196	703-960-9656
FAX: 202-767-0631	

Message-ID: <013801bdaadc\$2c421fe0\$268a3ece@default>
From: "Robert Nickels" <ranickel@mwci.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Micarta Question...
Date: Wed, 8 Jul 1998 20:48:35 -0500
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi All,

While the original product development was done while inventors O'Conor and Faber worked at Westinghouse, they quit and formed Formica Corporation only

weeks after the original patent for their new electrical insulating material, a substitute "for mica" was issued in 1913. Truth is, Formica Corp. was privately held until 1924 when it went public, then in 1957 became a part American Cyanamid, an arrangement which lasted until the company was sold to a management group in 1985 who would again go public in 1987. The famous trademark withstood a barrage of legal challenges while the company moved from making insulators for the Signal Corps (BA connection!) to the stuff we cover our operating desks with. Westinghouse may have received royalties for a time, but GE wasn't part of this action.

A quite interesting history can be found at:

http://www.formica.com/north_america/company/history/history.jhtml?mode=

73, Bob W9RAN

PS: Couldn't find any mention of Marty's old girlfriend, though!

-----Original Message-----

From: BA Marina Electrician <polepeeg@aaa4rm.ba-watch.org>

To: Old Tube Radios <boatanchors@theporch.com>

Cc: boatanchors@theporch.com <boatanchors@theporch.com>

Date: Wednesday, July 08, 1998 2:14 AM

Subject: Re: Micarta Question...

>Andy, Formica was a family-owned Cincinnati business in the early
>sixties.

>

>The family was the Maguires(?) of Mason, OH. I dated one of the
>tall daughters for a short time.

>

>Never thought of the product's insulating properties in those days

>

>Perhaps GE did buy 'em. Their factory was on Spring Grove Ave., not
>too far from Evendale, OH where lurked from the Curtis-Wright motor plant
>which became GE jet.

>

>

> Marty

>

>

From: thompson@mindspring.com

Message-ID: <000601bdaaeb\$bead3220\$39fb45cf@default>

To: Old Tube Radios <boatanchors@theporch.com>

Subject: Eldico and Elenco

Date: Wed, 8 Jul 1998 23:43:31 -0400

One of the locals asked me to find a copy of an article by W3L0E called "A High Performance Dual-Conversion Superhet" in the July 1949 issue of CQ. Boy its a great article, a worthy precursor to the HBR Series a decade later.

In looking through the issue I find the TR-1 Transmitter I have been looking for under the Surplus Radio, Inc. name rather than Eldico. A Florida old-timer (he had a W2 call until 1960) tells me that Don Merten W2UDQ (later K2AAA) used the Surplus Radio, Inc. name until changing to Eldico of New York in 1950 and later just Eldico in 1952 or 3. This ad (on page 54) shows the TR-1 Kit (yes thats right a kit) as two chassis and priced at \$149.50 for a 300W 10, 15, 29, 40, 80 rig with an 813 final and a pair of 811s as Class B modulator (notice I said 811 not 811A and 15 is covered even though the FCC did not release that band until 1951).

The ad also has the Model GDA Grid Dip meter.

The OT says almost everybody was in the surplus business until well into the 50's...and the ads in this issue confirm this.

I did notice in the 4th edition (has this been corrected in the latest edition ?) of Moore's "Communications Receivers" on page 29 some confusion about the founder of Eldico. Eldico was founded by Don Merten not Paul Wright W9OHM. W9OHM was the founder of Elenco based in Indiana. W9OHM wrote a number of articles in QST and CQ (late 40's to 1955) on early SSB techniques. Paul invented the term "Exalted carrier" AM so popular when Collins and Drake brought out receivers without an AM detector. So we copied AM on USB or LSB thus exalted carrier. I remember working W3PHL on 40 and the SSB gang tried every way to QRM him and his ultra modulation. Well exalted carrier let you copy him no matter what.

W9OHM designed some of the first real SSB transmitters, the first being the SS-75 sold mainly by Steinbergs in Cincinnati..thus many thought it was the Steinberg SS-75. Later the Elenco 77 was introduced. He put 1KV (!!) on the plates of a pair of 807's and tried a novel 1 kcs readout scheme where 80 meters was on 4 scales of the big Millen dial. W9OHM moved to Orlando and his license expired in 1995. We tried to find him with Larry Ware actually going to the FCC address, but no one knew the name so I guess he a SK or moved away.

K2AAA moved to Florida later and also became an SK in 1995.

The story in Moore's book is correct except for W9OHM for K2AAA.

The current Elenco (test equipment mfg'r) is not related to W9OHM's firm.

Anybody got any version of the TR-1 they want to part with? Anybody have

more info on Paul Wright W9OHM?

73 Dave K4JRB

To: Old Tube Radios <boatanchors@theporch.com>
Date: Wed, 8 Jul 1998 23:37:15 -0400
Subject: BC-779 (SP-200) Knobs
Message-ID: <19980708.235559.3654.0.avidov@juno.com>
From: avidov@juno.com (Avi Aben)

Can anyone with a Hammarlund Instruction Book or a Mil TM please look up the parts list to identify the mfr part nos for the 12 fluted knobs. There are 10 small size with pointers attached and two regular style but quite a bit larger.

If the Hammarlund no. isn't available, any other data such as Sig Stk No. or NSN will probably help in deciding the size replacements necessary on an upgrade.
73

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Or call Juno at (800) 654-JUNO [654-5866]

From: Henry van Cleef <vancleef@netcom.com>
Message-Id: <199807090403.VAA07895@netcom20.netcom.com>
Subject: Re: Tek 545
To: Old Tube Radios <boatanchors@theporch.com>
Date: Wed, 8 Jul 1998 22:03:52 -0600 (MDT)
Cc: boatanchors@theporch.com
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

As Jderm740@aol.com discourses

>

> Okay folks,

>

> I went back to the offsite storage area and secured the information everyone
> said I overlooked. (Waad, I, know I never had a thing like this before)

> So, here we go: Tek 545 Ser# 1684

> Plug-in 53D/54D SN # 944

> Plug-in CA S/N # 053536

> Plug-in L S/N # 00578

>

Tek Manuals: Call Deane Kidd at 503-635-7363 on these. He is an ex-Tek who has a huge supply of old Tektronix manuals (or can sell you copies).

The 545, D, and L plugins are all very low serial number. The scope would date from around 1955, and be one of the ones packaged in a huge slip-off can. It originally had a two-wire power cord and selenium rectifiers. I do not know if Tek republished the manuals for the early units in the large blue-cover format (1960). The CA is much later. Give Deane your serial numbers.

A source of the original 1950's small green manuals is Manuals Plus in Spanaway, Wash., phone 206-531-8031. These are used manuals when they have them. I think that the serial numbers were around 16000 for the scopes when Tek went to the 545A in 1959, and I think the first 545's date from early 1955 (Stan may have a better date, if he's reading this).

If you don't have a copy of Stan Griffiths' book (Oscilloscopes: Selecting and Restoring a Classic), get one. It has a good many tips on getting a scope up and running.

If your scope does not have the silicon diode power supply conversion, you will definitely want to make one up and install it. The power supply rectifiers were mounted on the web in the center of the scope, and seleniums will be very obvious. Most of these older scopes were converted in the 60's, although I have a 1954-5 310 with the seleniums. 545's were generally workhorses and upgraded until they were about 10 years old. Tek offered kits for 3-wire power (check that the neutral really is in the unswitched side; thus far I have had to reverse two of two Boonton Q meters that were converted) and silicon rectifiers. You probably also have 6CB6's and 6AW8's in the vert amplifier---bandwidth is to about 28 Mhz, notwithstanding what it says on the front panel. None of the plugins you have will get full bandwidth (CA is 24 Mhz in a 30 Mhz. scope); for this you need either a K or 1A1 or 1A2. They'll work in the scope.

The 53/54 prefix is on pre-1959 letter series plugins. Except for the 53/54C, which became the CA with an algebraically added mode, the older plugins are essentially the same as the later of the same letter without the prefix.

A few comments on bringing one of these old scopes up:

You MUST do a good mechanical inspection. Look in particular for loose hardware caught in the wiring, particularly under the power supply regulators. In these older scopes, the power supply relay

(piloted by a thermal delay) is open, and you may want to clean it if there is dirt back there where it is mounted.

1. DON'T pull all the tubes out and run them through a tube tester. Things like the vert amp have matched pairs, and need to go back into the same sockets they were in. Also, the scope is a better tester than a tube tester.

2. DON'T try to bring it up with a variac or play other gimmicks. These scopes are designed to run on 105 volts minimum, and the time delay relay won't work if you try much less. Also, the power supply regulators won't regulate if you do get the relay to pull in, and you'll have all sorts of voltage imbalances in circuits (particularly the horizontal amplifier) that expect voltages to be near correct. Hang meters on the power supplies, and check them for differential voltages before pull-in (shown on the manual schematics) and for regulated value immediately after pull-in. Turn the thing on and let it pull in, check voltages, then shut it off for a few minutes, then turn it back on and let it run 5 minutes if the voltages are OK, etc. to rebuild the filter caps. Check ALL of the heater busses (there are several) on the first power-on. A short in a heater bus will smoke wiring.

3. DO have the correct value fuse in it. A lot of faults won't blow the fuse. If you don't have proper power supply voltages (remember, the 225, 350, and 500 volt supplies are piggybacked on the 100 volt in a ladder arrangement---each supply is actually around 200 volts at the rectifiers), turn the thing back off and do some ohms checks. The -150 and 100 volt supplies are critical---if you don't have these, don't leave the scope turned on.

4. DO have the intensity turned down, astigmatism max clockwise, and focus max clockwise so that any spot is unfocused (don't burn your CRT) until you are ready to check out the sweep.

5. Trouble shooting begins with the power supplies. If these aren't working properly, you can't troubleshoot anything else.

These old scopes were built like Baldwin Steam Locomotives and generally come right up. However, keep in mind that there is a half kilowatt of power floating around, and you'll want to keep your eyes and ears open when you power it up.

--

=====
Hank van Cleef
=====

Date: Wed, 8 Jul 1998 23:45:54 -0500 (CDT)
From: Bill Hawkins <bill@iaxs.net>
Message-Id: <199807090445.XAA17731@citrus.iaxs.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: More 547 stuff

Well, I found the manual. Didn't have to hire an industrial archaeologist. Rather than focusing on the problem of no triggering, I went to the calibration section of the manual. And I remembered the words of Stan and Hank who told us many times - begin with the power supplies. Sure enough, the minus 150 was -143. So I looked for why it might have drifted. The two precision resistors in the divider and the speedup caps were OK. So I put it back together and turned it on and adjusted the -150. That restored the triggering. Just like that, no other tweaking. Should'a let well enough alone. But I went on with the cal procedure. It asks you to short the vertical deflection plates with a screwdriver to find the electrical center of the screen. I couldn't do it with a screwdriver, so I got a clip lead. Got the clip on one vertical plate pin. Managed to hit the frame with the other end. Heard a snap, like a small capacitor discharge. That took out Q1114. No continuity between any leads, trace off the screen. The electrical center was right in the middle, though.

Had the vertical amplifier been tubes, nothing permanent would have happened. But it wouldn't have had the bandwidth, either. So now I've got a defunct 547, because the transistor is a Tek part 153-524 which is sold as a matched pair.

Can't believe that I'm the only one who ever did that, at that point in the cal procedure. Is there a commercial equivalent, or some other way to restore operation?

Regards,
Bill Hawkins

Message-Id: <1.5.4.32.19980709111358.006869ec@pop.ma.ultranet.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Thu, 09 Jul 1998 07:13:58 -0400
To: Old Tube Radios <boatanchors@theporch.com>
From: Jim Evans <n1hts@ma.ultranet.com>
Subject: FW: Boatanchors

>-----
>From: Ray Donadt

>Sent: Wednesday, July 08, 1998 1:12 PM
>To: James Evans - PKO
>Subject: Boatanchors
>
>Jim,
>Any chance I can get you to put this on the Boatanchors? I've advertised
>it in the notes conference and 4 or 5 places on the web, but not one
>taker. This may not be easy to sell unless I can find a collector or
>someone that wants it for sentimental reasons.
>
>>From the estate of WA1DCI, I am selling a National NC300 receiver. This
> is a ham band receiver that cover 10-160 meters (no warc).
>
> All tubes have been checked and are good. The receiver is in
> relatively good condition and we are asking \$150 + shipping for it.
> A manual is included.
>
>Ray, KM1D
>(508)841-6195 days or (978)683-2454 evenings/weekends (MASS)
>
>

Message-ID: <35A4AB31.CD6B36AB@bw.webex.net>
Date: Thu, 09 Jul 1998 07:36:17 -0400
From: Al Klase <skywaves@bw.webex.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Spy Radio Needs Identification
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Paul and the Group,

Size is about right for a AN/PRC-1. All I have is the one page
discription and picture in Keith Melton's "OSS Special Weapons &
Equipment book". This shows a striped, 1940's style, suitcase. TX/RX
occupies the front half+. PS to the rear with two draw-string bags for
accessories.

Hope this helps,
Al

Paul Bernhardt wrote:

>
> A friend needs help identifying a WWII radio set used for spying. The
> complete set comes in a large case that measures about 30 x 30 x 24

> inches. This case is labeled CY-113/U and has 6 compartments. In one
> compartment is a suitcase the measures 13x18x8 inches. Inside the
> suitcase is a power supply, headphones, Morse key, and
> receiver/transmitter. The schematic for the RADIO SET is glued to the
> top cover of the suitcase. The transmitter uses a 6V6 to drive an 807
> tube. The receiver uses 6SG&, 6SA7, 6SK7, 6SL7, and 6J5. The power
> supply is adaptable to a wide variety of AC voltages. The other
> compartments house a two complete sets of spare vacuum tubes, spare
> knobs, connectors, etc.

> Thanks for the help, Paul Bernhardt

>

> Work:P.A. Bernhardt	Home: Paul Bernhardt, KF4FOR
> Code 6794	5704 Ridge View Dr.
> Naval Research Laboratory	Alexandria, VA 22310
> Washington, DC 20375	
> Tel: 202-767-0196	703-960-9656
> FAX: 202-767-0631	

--

Al Klase - N3FRQ

skywaves@bw.webex.net

Flemington, NJ 08822

Web Page: <http://www.webex.net/~skywaves/home.htm>

Message-Id: <3.0.1.32.19980708175853.00691324@a.crl.com>

Date: Wed, 08 Jul 1998 17:58:53 -0500

To: Old Tube Radios <boatanchors@theporch.com>

From: Phil Mills <pmills@a.crl.com>

Subject: Need help, BC-610 and BC-614

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

I am in the process of restoring the BC-610F that I got from Dave Stinson. It has cleaned up pretty well and I got a nice manual copy from W7FG. But I need someone to help with some answers.

1. Does anyone have a schematic/manual for the BC-614 speech amplifier that they can copy for me? Or, can anyone recommend a professional source? Neither W7FG nor A.G. Tannenbaum lists it in their catalog.
2. Is the cable between the BC-614 and BC-610 straight through? That is, is pin 1 in the male end connected to pin 1 in the female end, etc?
3. What kind of mike is best to use? Will a D104 work reasonably well?

4. What kinds of final input power levels does one typically operate at in phone and cw modes? The reason I ask this question is that my manual states that the cw-phone switch on the front panel plays with which filament windings are used in the HV xfmr so that a lower plate voltage is provided in the phone position.
5. Finally, any "gotcha's" I should check for before I apply power other than the usual reforming of electrolytics?

thanks & 73,
Phil
Phil Mills AB5TH
pmills@a.crl.com
Friendswood, TX

End of BOATANCHORS Digest 2119

>From ???@??? Fri Jul 10 04:53:13 1998
Message-Id: <199807100129.UAA20520@sco.theporch.com>
Date: Thu, 9 Jul 1998 20:28:23 CDT
Subject: BOATANCHORS digest 2120

BOATANCHORS Digest 2120

Topics covered in this issue include:

- 1) RE: Speaker disassembly
by "Roy S. Morgan" <roy.morgan@nist.gov>
- 2) Spy Radio Identified
by Paul Bernhardt <bern@ppdu.nrl.navy.mil>
- 3) Neat radio designs
by GIBSON@ASTRA.LBL.GOV
- 4) Re: Micarta Question...
by polepeeg@aa4rm.ba-watch.org (BA Marina Electrician)
- 5) FS Eico 730
by "WA1DCP" <vital@gate.net>
- 6) BC614i & Federal AM864/U
by "WA1DCP" <vital@gate.net>
- 7) Authenticating a Spy Set
by "David L. Stinson" <arc5@ix.netcom.com>
- 8) BA Power
by Bob Reynolds <breynold@SIGG.COM>

- 9) Re: BA Power
by Al Parker <anchor@coastalnet.com>
- 10) ADMINISTRIVIA: No More Reposts
by listown@jackatak.theporch.com (Mail List Owner)
- 11) Re: Micarta Question...
by "Owens, Clarence" <owensc@nebeng.otis.com>
- 12) Re: BA Power
by Bill Hawkins <bill@iaxs.net>
- 13) Halli Parts sources?? FPM-300 Mk II
by "John K9UWA" <k9uwa@cris.com>
- 14) South Milwaukee Hamfest preview
by "Terry O'Laughlin" <terryo@wort-fm.terracom.net>
- 15) re-stringing the dial of a KWM-II
by k5jv@vonl.com (Lon W. Cottingham)
- 16) References: Roland S. Geter, Sr.
by "Richard Solomon" <w1kszt@tiac.net>
- 17) Info on Filter-King 220 Converter
by "Richard Solomon" <w1kszt@tiac.net>
- 18) Fw: References: Roland S. Geter, Sr.
by "Richard Solomon" <w1kszt@tiac.net>
- 19) CRT date codes
by "N. West" <ninaw@u.washington.edu>
- 20) Re: Speaker disassembly
by "Steve" <scb@mail.internettport.net>
- 21) Formica ad-Nov 28 QST
by john <johnmb@mindspring.com>
- 22) Old Silver Marshall RX's
by john <johnmb@mindspring.com>
- 23) Need 1100 volt plate xmfr
by "Lane C. Zeitler" <km3g@cts.com>
- 24) OUTBOARD FREQ COUNTERS FOR USE WITH BA'S
by JOHN_SEHRING.parti@ecunet.org (JOHN SEHRING)
- 25) Re: CRT date codes
by Henry van Cleef <vancleef@netcom.com>
- 26) Re: BA Power
by Jim Lockwood <jmlckwd@mindspring.com>

Message-Id: <01BDAB17.97F8E2B0.roy.morgan@nist.gov>
From: "Roy S. Morgan" <roy.morgan@nist.gov>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: Speaker disassembly
Date: Thu, 9 Jul 1998 08:57:24 -0400

Jim,

My friend who does speaker repair tells me he uses MEK to
un-glue them. (Methyl Ethyl Ketone, at your home store or paint

supplier). No doubt a variety of glues was used, and so testing with various solvents may be needed. BEWARE FUMES!

I had a hifi speaker with a "blown woofer". It turned out to be an open connecting wire from frame to the cone. Disassembly was not needed. Probe carefully with your ohmmeter, and use a sharp-pointed tip to get through any glue or varnish at cone connections. A short piece of thin multi strand wire may solve the problem.

-----Roy Morgan
Hydrodynamics/Hydroacoustics Technology Center
Naval Surface Warfare Center, Carderock Division
9500 MacArthur Boulevard
West Bethesda, MD 20817-5700
301-227-3827 FAX: 301-227-3884-----

-----Original Message-----

From: James.Reid@merisel.com [SMTP:James.Reid@merisel.com]
Sent: Wednesday, July 08, 1998 12:26 PM
To: Old Tube Radios
Subject: Speaker disassembly

Greetings all,
I was working on an AA5 recently

Date: Thu, 9 Jul 1998 09:23:05 -0400 (EDT)
From: Paul Bernhardt <bern@ppdu.nrl.navy.mil>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Spy Radio Identified
Message-Id: <Pine.A32.3.91.980709092122.35960B-100000@ppdu.nrl.navy.mil>
Mime-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Thanks to Will, Rag, and Al for responding to my inquiry. The radio that my friend has is an AN/PRC-1 with accessories.

Paul B.

Work: P.A. Bernhardt	Home: Paul Bernhardt, KF4FOR
Code 6794	5704 Ridge View Dr.
Naval Research Laboratory	Alexandria, VA 22310
Washington, DC 20375	
Tel: 202-767-0196	703-960-9656
FAX: 202-767-0631	

From: GIBSON@ASTRA.LBL.GOV
Date: Thu, 9 Jul 1998 7:39:37 -0700
To: Old Tube Radios <boatanchors@theporch.com>
Message-Id: <980709073937.23a004c2@ASTRA.LBL.GOV>
Subject: Neat radio designs

I was looking through some Wireless World magazines from the early 1950's and came across a half dozen 2 and 3 tube radio construction articles that employed elegant techniques that I never saw before, such as:

3 Tube TRF with amplified AGC

Sensitive 2 tube. Only requires 12 inches antenna wire for LS output

2 pentode Reflex with push-pull output

etc etc etc.

If anyone is interested, will make them available. Send me a large SAE and a buck for the copier, to

John Gibson
Bdg 50-5005
LBNL
Berkeley, Ca 94720.

Date: Thu, 9 Jul 1998 11:35:34 -0400
From: polepeeg@aa4rm.ba-watch.org (BA Marina Electrician)
Message-Id: <199807091535.LAA03771@aa4rm.ba-watch.org>
To: Old Tube Radios <boatanchors@theporch.com>
Cc: boatanchors@theporch.com
Subject: Re: Micarta Question...

Marty's old girlfriend WAS Patty O'Conor - had that last name rong

Say a VERY interesting name - substitute FOR MICA. Sure enjoyed the post

M

Message-Id: <199807091546.LAA78564@chickasaw.gate.net>
From: "WA1DCP" <vital@gate.net>
To: Old Tube Radios <boatanchors@theporch.com>
Cc: "Boatanchors" <boatanchors@listserv.tempe.gov>,
"BA Swaplist" <baswaplist@foothill.net>

Subject: FS Eico 730
Date: Thu, 9 Jul 1998 11:52:38 -0400
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Eico 730 modulator new in box never assembled . \$75 plus shipping.
Tnx Port

Message-Id: <199807091551.LAA69882@chickasaw.gate.net>
From: "WA1DCP" <vital@gate.net>
To: Old Tube Radios <boatanchors@theporch.com>
Cc: "Boatanchors" <boatanchors@listserv.tempe.gov>,
"BA Swaplist" <baswaplist@foothill.net>
Subject: BC614i & Federal AM864/U
Date: Thu, 9 Jul 1998 11:58:02 -0400
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Thanks everyone that responded for all the help in locating a BC614i.
Just waiting on UPS.
Also looking for a Army Signal Corp- Federal AM864/U , I think Fair
radio had these many , many years ago!
thanks again Port

Message-ID: <35A4E66C.60FC@ix.netcom.com>
Date: Thu, 09 Jul 1998 10:49:01 -0500
From: "David L. Stinson" <arc5@ix.netcom.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Authenticating a Spy Set
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I need some help from you experts in "spy" radios.
A friend wants me to look at a set he has that
he believes was a "spy" radio from the 30s or 40s.
I haven't seen it yet, but this is his description:

The set is an 8-inch-square cube.
It is painted black wrinkle.
All controls and connections come out
the front panel. The power cable comes out
the lower left corner and is a cloth-covered cable.
The case is missing. The chassis and front panel

seem to be spot-welded to each other and then machined.
There is no name plate and no maker's-name on any part,
including the tubes.
The markings inside are a red stamped "12"
next to the receive-transmit switch and next to
both tube sockets. There is also a red "11"
stamped next to the terminal points for the power cable.

Front panel controls are :

"W. L." using a thumb wheel (wavelength?).

"A. T." looks like a varicopler (aerial tune?).

"R." and "S." which is a big lever switch (receive and send?).

Large unmarked toggle switch which looks "on-off"-ish.

Two pin jacks marked "TEL."

Two pin jacks marked "KEY"

Two binding posts marked "A and G"

The set uses two tubes (30, 33).

He wants to determine if this is a covert-operation
radio or just a standard military or "ham-job."

It doesn't sound like any military set I know,
nor do I think hams put inspection marks on
their homebrew sets.

I need to know some "tips and tricks" to look for
to determine if this is an authentic "spy" set
or if it's something else. Does anyone have
any clues, like wire type or something?
He's supposed to send it to me next month,
so I'll try to get the time to take some photos then.

73 DE Dave Stinson AB5S
arc5@ix.netcom.com

Message-Id: <98Jul9.105512cdt.26896@firewall.sigg.com>
Date: Thu, 9 Jul 1998 10:58:46 -0500
From: Bob Reynolds <breynold@SIGG.COM>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BA Power
Mime-Version: 1.0
Content-Type: text/plain
Content-Disposition: inline

Question:

I will be going on a trip the first of August
and want to carry a SB-34. The manual

says it draws a maximum of 16 amps at 12 volts (constant about 3.6 amps). Can that safely be pulled from the cigarette lighter socket ?

I will be traveling from a NW Chicago suburb down I-57 and I-40 and I-30 by West Memphis and to 100 miles SW of Little Rock, AR. Back again the second week-end of August. I have room to carry BA's if any need to be shipped along that route. Just let me know.

Thanks & 73, Red K5VOL

Message-Id: <3.0.5.32.19980709120811.00807c20@mail1.coastalnet.com>
Date: Thu, 09 Jul 1998 12:08:11 -0400
To: Old Tube Radios <boatanchors@theporch.com>
From: Al Parker <anchor@coastalnet.com>
Subject: Re: BA Power
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

> I will be going on a trip the first of August
>and want to carry a SB-34. The manual
>says it draws a maximum of 16 amps at 12
>volts (constant about 3.6 amps). Can that
>safely be pulled from the cigarette lighter
>socket ?
>

No, you'll at least fry any connector, but probably the wiring also. Might receive only at 3.6a, but even that will probably heat up the connector. Any more will have a big voltage drop & get hot. Run a no. 12 or preferably larger line from the battery direct. Also make sure there's a good ground connection, not just the coax to the antenna. don't forget a fuse
Have a nice trip. Low band mobiling makes it much more fun.

73,
Al, W8UT
New Bern, NC
Boat Anchors appreciated here
anchor@coastalnet.com

Message-Id: <199807091615.LAA23122@jackatak.theporch.com>
From: listown@jackatak.theporch.com (Mail List Owner)
To: Old Tube Radios <boatanchors@theporch.com>
Subject: ADMINISTRIVIA: No More Reposts
Date: Thu, 9 Jul 98 11:15:01 CDT

Gang-

This is a reminder that reposting of For Sale or Wanted items from other lists is discouraged.... nay prohibited on the BoatAnchors list.

If a BA list member wants to post the item elsewhere and on the BA list, that should create NO problem.

The problem comes when the poster in the other venue is not asked about the re-post... without the permission of the poster, problems are guaranteed, and I do not have the time, the energy, or the desire to address and deal with the headaches that re-posting causes...

So, henceforth, let's have NO re-posts from other sources referred to the list. Yes, I know this may sound pretty provincial, but those who really care have browsers and know where to look, and those who don't, probably don't....

I do NOT need the aggravation of someone who posts to a newsgroup and then has to fight off the hungry folks from the BA list who want to rearrange his viewpoint or calibrate his selling technique.

ENOUGH! Already... Just don't do it!

--

73

Jack, W4KH/Mobile - - - Mailing List Archiver/Owner - - -
listown@jackatak.theporch.com - "Plus ca change, plus c'est la meme chose"
"Il n'y a que les idiots qui ne changent jamais d'idee"
Thu Jul 9 11:15:00 CDT 1998

Content-return: allowed
Date: Thu, 09 Jul 1998 12:09:00 -0400
From: "Owens, Clarence" <owensc@nebeng.otis.com>
Subject: Re: Micarta Question...
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <0EVU52T8S00GQW@mailman.otis.com>
MIME-version: 1.0
Content-type: text/plain

Hi All,

Yes that name is very interesting, and I suppose it does come from "FOR MICA". However there is a guy named Gary Formica who is very active in antique radio collecting in the Western New York area, so I guess that family name may have existed before the tradename. I suppose he'd have a hard time starting businesss of certain types and using his name. I have no idea whether or not he is particularly interested in non-ceramic insulating materials.

I guess with 260 or so megafolks in the US there are bound to some name coincidences... even in our BA community.

73,

Clare OWens N2RJB
owensc@nebeng.otis.com

From: polepeeg@aa4rm.ba-watch.org
To: Old Tube Radios
Cc: boatanchors@theporch.com
Subject: Re: Micarta Question...
Date: Thursday, July 09, 1998 11:35AM

Marty's old girlfriend WAS Patty O'Conor - had that last name rong

Say a VERY interesting name - substitute FOR MICA. Sure enjoyed the post

M

Date: Thu, 9 Jul 1998 12:40:36 -0500 (CDT)
From: Bill Hawkins <bill@iaxs.net>
Message-Id: <199807091740.MAA18565@citrus.iaxs.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: BA Power

There may be good reasons for direct wiring to the battery, but every car I've ever looked at had a 20 Amp fuse for the lighter. Most have it on its own circuit, because it doesn't go through the ignition switch.

Regards,
Bill Hawkins

Message-Id: <199807091750.NAA24346@newman.concentric.net>
From: "John K9UWA" <k9uwa@cris.com>
To: Old Tube Radios <boatanchors@theporch.com>
Date: Thu, 9 Jul 1998 12:50:57 +0000

MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Subject: Halli Parts sources?? FPM-300 Mk II

I am trying to get one of these to work for a local friend...I need a source for the cogged belt in it....anyone have any ideas where to buy one??

de John K9UWA

John Goller, K9UWA
k9uwa@cris.com

<http://www.concentric.net/~k9uwa/>

Message-Id: <3.0.3.32.19980709143345.00e351e0@terracom.net>
Date: Thu, 09 Jul 1998 14:33:45 -0500
To: Old Tube Radios <boatanchors@theporch.com>
From: "Terry O'Laughlin" <terryo@wort-fm.terracom.net>
Subject: South Milwaukee Hamfest preview
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

I'll be hauling some BA related stuff to the South Milwaukee hamfest this Saturday (7-11). I'll be in a bright orange VW microbus so I'll be easy to spot.

HP-606B - works on some bands, needs TLC - \$15

2 Hickok tube testers - I believe they are a 600 and a 533. The 600 works and has manual but the case is mildewed. I never tested the 533 and it is missing the "fuse" on the front panel. \$30 for the 600 and \$5 for the 533.

Numitrons - the last gasp of hollow state displays NOS. - \$1 each

1TF10 ballast tubes NIB - I don't know specs but they are NOT equivalent to the 3TF7. \$0.25 each

5783WA - submini tubes NIB , probably a voltage regulator - \$0.50 each

5899 - submini tubes NIB - RF pentode - \$3.00 each

Rack rails - 3 sets of 20", several cases of 9" all NIB with all hardware needed to mount rails and equipment. Made by Chassis Trak. \$10 per set for 20", \$4 per set for the 9" (quantity discount on the 9" units).

73 Terry O' WB9GVB

Message-ID: <002001bdab81\$ccdfcecc0\$690adfd0@k5jv.kingwoodcable.com>
From: k5jv@von1.com (Lon W. Cottingham)
To: Old Tube Radios <boatanchors@theporch.com>
Cc: "Boat Anchors" <boatanchors@theporch.com>
Subject: re-stringing the dial of a KWM-II
Date: Thu, 9 Jul 1998 16:37:24 -0500
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Greetings to all,

 Did I miss something? I do not understand some of the jokes that
have been so frequent on here lately.

73 de Lon Cottingham, K5JV

Message-Id: <199807092211.SAA04591@mail-out-1.tiac.net>
From: "Richard Solomon" <w1kszt@tiac.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: References: Roland S. Geter, Sr.
Date: Thu, 9 Jul 1998 17:55:36 -0400
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Has anyone had any experience (sales/purchases) with
Mr. Geter ?
Thanks, Dick, W1KSZ

Message-Id: <199807092227.SAA05605@mail-out-3.tiac.net>
From: "Richard Solomon" <w1kszt@tiac.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Info on Filter-King 220 Converter
Date: Thu, 9 Jul 1998 18:22:10 -0400
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

I won (!/?) a Filter-King 220 Converter on e-bay. Anyone
have a schematic on this unit ? I used to have both the
144 and 220 converters years ago, also had the Parks

432 converter with a TIXMO-5 preamp (how's that for jogging the memory cells !!).
Tnx es 73, Dick, W1KSZ

Message-Id: <199807092230.SAA05651@mail-out-1.tiac.net>
From: "Richard Solomon" <w1ksz@tiac.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Fw: References: Roland S. Geter, Sr.
Date: Thu, 9 Jul 1998 18:27:20 -0400
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

> From: Jim Condon <jcondon@NRAO.EDU>
> To: w1ksz@tiac.net
> Subject: Re: References: Roland S. Geter, Sr.
> Date: Thursday, July 09, 1998 6:22 PM
>
> The word in the net is to avoid him like the plague.
>
> Jim Condon, AD4YM

Date: Thu, 9 Jul 1998 16:07:24 -0700 (PDT)
From: "N. West" <ninaw@u.washington.edu>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: CRT date codes
Message-ID: <Pine.A41.3.96a.980709160133.70198B-100000@dante30.u.washington.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I pulled an RCA 5CP7A CRT out of a Tek 512 scope which has a USN anchor on it and a date code of "2-39". Does this mean it was manufactured on the 2nd week of 1939(improbable) or the 39th week of 1952(or 1962?)?
This is probably not the original tube but the P7 phosphor might be useful for IF alignments using slow sweep speeds.
Thanks in advance for your comments
Fred Powell
c/o
ninaw@u.washington.edu

Message-Id: <199807092359.SAA15252@loki.internettport.net>
From: "Steve" <scb@mail.internettport.net>

To: Old Tube Radios <boatanchors@theporch.com>
Date: Thu, 9 Jul 1998 18:47:13 +0000
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Subject: Re: Speaker disassembly
CC: boatanchors@theporch.com

"The ohmmeter confirmed the problem: open voice coil. Pushing on the cone did get some blips on the meter so obviously there's a broken wire. Several questions come to mind. How do you disassemble one of these to repair it? Can it be taken apart without damaging the cone?"

Hi James

Typically, the main source of this problem is the flying leads to the voice coil, rather than the coil itself. They fatigue fracture either at the terminals or at the cone.

First, carefully and evenly move the cone in and out while listening for a scraping, indicating that the 'coil is rubbing or damaged. Next make a continuity check on the leads themselves to establish integrity of the connection to the 'coil, then from each lead to its terminal. If this indicates a fault at the terminals, try resoldering them enough to flow a little silver bearing solder (superior wetting & flow, available from RatShak) down the lead a bit. If the fault is at the cone, the coil leads are terminated under the dust cap in the center of the cone. Removing the dust cap enough to access the joints, scrape thru to each solder joint & test continuity at these. If OK, the coil is probably good, barring a dry joint. Apply heat from a regulated solder iron and a little silver bearing solder to the joints. Recheck for continuity across the joints and to each lead. This should isolate the fault. If it's an open lead then one of the leads may be fatigue fractured and they can be replaced with a little ingenuity. Dead car speakers are a possible source of suitable stock. Contact cement may be used to glue the joints and dust cap back in place. Good luck!

Steve

Message-Id: <199807092350.TAA19844@camel7.mindspring.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Thu, 09 Jul 1998 19:48:59 -0400
To: Old Tube Radios <boatanchors@theporch.com>
From: john <johnmb@mindspring.com>

Subject: Formica ad-Nov 28 QST

"Radio parts of FORMICA"

"For fifteen years Formica has been furnished in changing forms to suit the convenience of the radio engineer and producer. In the early days, it was sold in whole sheets and whole lengths of tubing and fabricated largely by hand by the radio builders. Then there were decorated front panels printed in gold and silver. Now there are sanded or threaded tubes punched and cut to length: washers; shelves; sub panels and terminal strips most of them shipped all ready to assemble.

At large expense, Formica equipment has been changed from year to year to provide production in quantity at all times of insulating parts that would meet the requirements of the moment. And the quality and uniformity of the material has also steadily advanced."

The Formica Insulation Company
4620 Spring Grove Avenue
Cincinnati, Ohio

Old company!!!

/John

+-----
| John Brewer- WB50AU/4
| AMI #24 Vintage Radio Website
| <http://www.mindspring.com/~johnmb/>
+-----

Message-Id: <199807092353.TAA07528@camel7.mindspring.com>

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Date: Thu, 09 Jul 1998 19:52:02 -0400

To: Old Tube Radios <boatanchors@theporch.com>

From: john <johnmb@mindspring.com>

Subject: Old Silver Marshall RX's

I am looking for any information (dates, spec's, advertisements, etc) for the following receivers by Silver Marshall. My guess is that these are early 30's vintage?

Silver Marshall Model "Q"

Silver Marshall Model 728SW (or T28SW)

These are multiband superhets...that's about all I can tell.

JPGs on request.

Thanks!
/John

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+-----+
|Wanted:      Howard Co. receiver/acc'ys/docs   |
|              AWA-OTB back issues...          |
|AMI #24      JW Millen exciter                 |
+-----+
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Message-ID: <000001bdab9a\$69b62560\$77c7d8cc@km3g.cts.com>
From: "Lane C. Zeitler" <km3g@cts.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Need 1100 volt plate xmfr
Date: Thu, 9 Jul 1998 16:05:32 -0700
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

MUST be compatible with a 240 volt source, ie the primary must be rated at 220, 230, or 240 vac. Secondary voltage of 1100 volts.

Sate model number, condx, current rating, and price.

I am in San Diego 92139

Lane
KM3G
San Diego

MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit
Date: Thu, 9 Jul 1998 20:42:38 -0400 (EDT)
Subject: OUTBOARD FREQ COUNTERS FOR USE WITH BA'S
To: Old Tube Radios <boatanchors@theporch.com>
From: JOHN_SEHRING.parti@ecunet.org (JOHN SEHRING)
Message-ID: <9807092042.aa07306@pcusa01.ecunet.org>

To: boatanchors@theporch.com

Anybody have any experience/opinions on small, inexpensive, outboard freq counters (having adjustable offsets) for use with BA's? E.g. K1MG's \$29 board (www.fix.net/~jparker/blasky.html) & others. Tnx.

-John Sehring (Tue, Jul 7, 1998 at Custer, SD USA) UCC wb2eqg

From: Henry van Cleef <vancleef@netcom.com>
Message-Id: <199807100050.RAA14249@netcom12.netcom.com>
Subject: Re: CRT date codes
To: Old Tube Radios <boatanchors@theporch.com>
Date: Thu, 9 Jul 1998 18:50:19 -0600 (MDT)
Cc: boatanchors@theporch.com
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

As N. West discourses

>
> I pulled an RCA 5CP7A CRT out of a Tek 512 scope which has a USN anchor on
> it and a date code of "2-39". Does this mean it was manufactured on the
> 2nd week of 1939(improbable) or the 39th week of 1952(or 1962?)?
> This is probably not the original tube but the P7 phosphor might be useful
> for IF alignments using slow sweep speeds.
> Thanks in advance for your comments
> Fred Powell
> c/o
> ninaw@u.washington.edu
>

A 2-39 date code on an RCA CRT is consistent with 39th week of 1952 or 1962. Since these scopes were built in the early fifties, the 1952 date code is consistent with original manufacture date. The scope itself is only 2 Mhz bandpass, but high (5 mv/CM) sensitivity, and I don't recall that they were very common---the 10 Mhz. 511 and 514 scopes were what Tek had for "volume" in the early days. P-7 phosphor and a boat anchor symbol suggest a tube originally built for the Navy as a radar display tube, although Tek used RCA CRT's until some years later when they began making their own, and this could have been furnished to Tek OEM if the scope was bought with P7 phosphor.

I would find it much more doubtful that a 512 with a dead CRT would have been repaired as late as 1962. The 530-series (introduced 1953) and 540-series (1954-5) revolutionized the oscilloscope world, and even the earlier Tek scopes got retired as soon as someone could get one of the later series.

--

=====
Hank van Cleef
=====

Message-Id: <3.0.32.19980709205301.006b4b48@pop.mindspring.com>
Date: Thu, 09 Jul 1998 21:16:59 -0400
To: Old Tube Radios <boatanchors@theporch.com>
From: Jim Lockwood <jmlckwd@mindspring.com>
Subject: Re: BA Power
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 12:40 PM 7/9/98 -0500, Bill Hawkins wrote:

>There may be good reasons for direct wiring to the battery, but every car
>I've ever looked at had a 20 Amp fuse for the lighter. Most have it on its
>own circuit, because it doesn't go through the ignition switch.

What Bill writes is certainly true. I noticed the same thing and tried running my 6M Lafayette HA-460 mobile, powered via cigarette lighter socket.

It didn't work well, but not because the fuse blew or the car wiring was inadequate.

No, the reason it didn't work is just plain dumb: The plug (which I got from a famous chain of consumer electronics stores founded by the same person who founded hallicrafters) melted. Yep. Melted. The resistance, either in the connection or within the plug itself, was great enough to produce heating that melted the plastic of the plug.

So, if there is a plug that makes good contact and which is made from a high quality material, it might work. And the SBE model 34 (of which I have one..... neat little radio) just might draw so little current that it could be a good candidate for lighter power. Too, the SBE 34 has provisions for turning the PA filaments off when used on DC. Doing this reduces the current draw to just that of the receiver, which is s**id state and which draws about 300 mA, as I recall.

73,

Jim - K4CCF

(formerly KM6NK, WA4K00, WN4K00)
Looking for original QSL cards from K4CCF

<http://www.mindspring.com/~johnmb/radiorm1.htm>

End of BOATANCHORS Digest 2120
